

GenCore version 4.5
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OM protein - protein search, using sw model.

Run on: September 4, 2002, 16:09:16 ; Search time 165.17 Seconds

(without alignments)
34.297 Million cell updates/sec

Title: US-09-052-089a-6

Perfect score: 293

Sequence: 1 LSLCTICSDEFDHSDRVAAI.....IOWFETAPSRTCPCRCIOWG 51

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 747574 seqs, 111073796 residues

Total number of hits satisfying chosen parameters: 747574

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No. Score Query Match Length DB ID Description

Result No.	Score	Query	Match Length	DB ID	Description
1	286	97.6	469	19 AAW37881	BRAF modulator protein
2	286	97.6	469	20 AAY0149	Amino acid sequencing
3	128	43.7	455	22 ABB61289	Drosophila melanogaster
4	127	43.3	225	22 AAE03224	Human gene 5' endcoding
5	127	43.3	359	22 AAE03206	Human gene 5' endcoding
6	123	42.0	158	22 ABB60559	Drosophila melanogaster
7	113	38.6	309	21 AAG33048	Arabidopsis thaliana
8	113	38.6	309	21 AAG31101	Arabidopsis thaliana
9	113	38.6	328	21 AAC33047	Arabidopsis thaliana
10	113	38.6	328	21 AAC51100	Arabidopsis thaliana
11	113	38.6	358	21 AAG23046	Arabidopsis thaliana

ALIGNMENTS					
RESULT 1					
ID	AAW37881	standard	Protein	469 AA.	
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DT	28-AUG-1998	(first entry)			
DE	BRCAl modulator protein	091-21A31			
XX					
KW	BRCA1 modulator protein; 091-21A31; breast cancer antigen 1; tumour suppressor protein; diagnosis; therapy; human.				
OS	Homo sapiens.				
XX					
FH	Key	Location/Qualifiers			
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FT		/note= "zinc finger motif"			
FT		229..255			
FT		/note= "leucine zipper motif"			
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PN	W09810066-A1.				
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PD	12-MAR-1998.				
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PR	04-SEP-1996;	96US-0025601.			
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PA	(ONYX-) ONYX PHARM INC.				
XX					
PI	Ligenfelter C., Polakis P., Rubinfeld B., Vuong TT;				
XX					
DR	WPI: 1998-193616/17.				

DR N-PSDB; AAV29062.
 XX PT Breast cancer antigen 1 modulator protein - useful for diagnosing
 PT diseases involving unwanted cell growth, e.g. breast cancer, and for
 PT producing therapeutics for treatment of such diseases
 XX PS Example 1; Fig 1; 73pp; English.
 XX CC This polypeptide comprises a 53 kDa BRCA1 modulator protein that
 binds to the tumour suppressor gene product BRCA1, and which is
 characterised by a zinc finger domain and a leucine zipper motif.
 CC Its amino acid sequence was deduced from the nucleotide sequence
 CC of a cDNA clone (see AAV29062), designated 091-21A31 (ATCC 98141),
 CC isolated from a HeLa cell cDNA library using a yeast two-hybrid
 CC assay. 3 cDNA clones (see also AAV29063-64) coding for BRCA1
 CC modulator proteins (see AAW7881-83) have been characterised. Vectors
 CC and host cells comprising the isolated nucleic acid sequences are
 CC claimed as well as a process for producing BRCA1 modulator protein
 CC by culturing these host cells. BRCA1 modulator proteins and nucleic
 CC acids can be used to diagnose diseases involving unwanted cell
 CC growth, e.g. breast cancer, and to identify compounds that alter
 CC BRCA1 interaction with BRCA1 modulators for the treatment of such
 CC diseases.
 XX SQ Sequence 469 AA:
 Query Match 97.6%; Score 286; DB 19; Length 469;
 Best Local Similarity 98.0%; Pred. No. 7e-28; 1; Mismatches 0; Indels 0; Gaps 0;
 Matches 49; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
 Qy 2 SICCTICSDFFDHSDVAATHCGHTFHLOCLIQFETAPSRTCHQCRCIYG 51
 Db 5 alcticsdfdfahsrdvaahcgttflqclqwfetapsrtcpqcrqvg 54
 RESULT 2
 AAV30149 ID AAV30149 standard; Protein; 469 AA.
 XX AC AAV30149;
 XX DT 27-OCT-1999 (first entry)
 DE Amino acid sequence of a BRCA1 modulator protein.
 XX KW Modulator protein; BRCA1; tumour suppressor protein; breast cancer;
 KW ovarian cancer; cell growth; cell proliferation.
 XX OS Homo sapiens.
 XX FH Key Location/Qualifiers
 FT Region 3...32
 FT /note="zinc finger motif"
 FT 230...255
 FT /note="leucine zipper motif"
 PN US5948643-A.
 XX PD 07-SEP-1999.
 XX 13-AUG-1997; 97US-0968751.
 XX 13-AUG-1997; 97US-0968751.
 XX (ONYX-) ONYX PHARM INC.
 XX PI Lingenfelter C, Polakis PG, Rubinfeld B, Vuong TT;
 XX DR WPI; 1999-517952/43.
 DR N-PSDB; AAX66754.
 XX PT Modulator proteins that bind to and modulate the activity of the

PT BRCA1 tumour suppressor gene product, useful for the treatment of ovarian and breast cancer
 XX PS Example 1; Fig 1; 35pp; English.
 XX CC The present sequence represents a modulator protein, that binds to and modulate the activity of the BRCA1 gene product (BRCA1). The BRCA1 protein has been characterized as a tumour suppressor protein.
 CC Alterations in the amino acid sequence of BRCA1 causes breast and ovarian cancers by removing the controls on cell growth and proliferation. Research has shown that different regions on the BRCA1 molecule have different effects on cell growth and tumour suppression (e.g. full length truncated BRCA1 has no effect on breast cancer cell growth but will inhibit ovarian cancer cell growth). It has been suggested that different host cell factors (e.g. proteins) interact with different regions of the BRCA1 to control its function. The identification of these proteins (e.g. BRO1MP) will facilitate the development of novel diagnostic methods and new therapeutics for identifying and treating cancers caused by changes in the expression or activity of BRCA1.
 CC SQ Sequence 469 AA:
 Query Match 97.6%; Score 286; DB 20; Length 469;
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 Matches 49; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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 Db 5 alcticsdfdfahsrdvaahcgttflqclqwfetapsrtcpqcrqvg 54
 RESULT 3
 ABB61289 ID ABB61289 standard; Protein; 455 AA.
 XX AC ABB61289;
 XX DT 26-MAR-2002 (first entry)
 XX DE Drosophila melanogaster polypeptide SEQ ID NO 10659.
 XX KW Drosophila; developmental biology; cell signalling; insecticide;
 XX OS Drosophila melanogaster.
 XX KW pharmaceutical.
 PN WO20171042-A2.
 XX PD 27-SEP-2001.
 XX PF 23-MAR-2001; 2001WO-US09231.
 XX PR 23-MAR-2000; 2000US-191637P.
 PR 11-JUL-2000; 2000US-0614150.
 XX PA (PEKE) PE CORP NY.
 XX PI Venter JC, Adams M, Li PWD, Myers EW;
 XX DR WPI; 2001-656860/75.
 DR N-PSDB; ABL05392.
 XX PT New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signalling and cell-cell interactions - Disclosure; SEQ ID NO 10659; 21pp + Sequence Listing; English.
 XX PT The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention is useful in developmental biology and in elucidating cell signalling and cell-cell interactions in higher eukaryotes for the development of

CC insecticides, therapeutics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABL16176-ABL16171), expressed DNA sequences (ABL01840-ABL16175) and the encoded proteins (ABB5737-ABB2072). The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences. Sequence 455 AA;

SQ

Query Match 43.7%; Score 128; DB 22; Length 455; Best Local Similarity 50.0%; Pred. No. 3.5e-08; Matches 22; Conservative 6; Mismatches 14; Indels 2; Gaps 1;

QY 4 CTCISDPFDHSRDAVAAHCGHMFHLOCLIQFETAPSRTCPQCQV 47

DB 6 cvicaelfggdqvfvavcgvqjmfhncwdr-sktcpqcr 47

RESULT 4

AAE03224 standard; Protein: 225 AA.

AC AAE03224;

XX ID AAE03224 standard; Protein: 225 AA.

AC AAE03224;

XX DT 10-AUG-2001 (first entry)

DE Human gene 5 encoded secreted protein HTLJF15, SEQ ID NO:74.

XX Human; secreted protein; proliferative disorder; cancer; tumour; asthma; foetal abnormality; developmental abnormality; haemato poetic disorder; immune system disorder; cognitive disorder; schizophrenia; rheumatoid arthritis; parkinson's disease; cognitive disorder; schizophrenia; skin disorder; psoriasis; sepsis; diabetes; atherosclerosis; cardiovascular disorder; inflammation; neurological disorder; Alzheimer's disease; food additive; angiogenic disorder; kidney disorder; gastrointestinal disorder; infection; wound healing; cell culture; chemotaxis; vulnerability; binding partner identification; gene therapy.

XX OS Homo sapiens.

XX Key

FH Peptide 1

FT Protein 2..225

FT Misc-difference 21

FT /label= Unknown

/note= "Encoded by GNC on the inverse complementary strand of the cDNA sequence (AAD07677)"

45 /label= Unknown

/note= "Encoded by TGM on the inverse complementary strand of the cDNA sequence (AAD07677)"

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XX	KW	protein identification; signal transduction pathway; metabolic pathway; hybridization assay; genetic mapping; gene expression control; promoter; termination sequence.
XX	OS	Arabidopsis thaliana.
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XX	PD	06-SEP-2000.
XX	PF	25-FEB-2000; 2000EP-0301439.
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ID AAG23046

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XX DT 17-OCT-2000 (first entry)

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XX KW Protein identification; signal transduction pathway; metabolic pathway; hybridisation assay; genetic mapping; gene expression control; promoter; termination sequence.

XX OS Arabidopsis thaliana.

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PR	25-FEB-1999; 99US-0121825.	
PR	05-MAR-1999; 99US-0122180.	
PR	09-MAR-1999; 99US-01232548.	
PR	23-MAR-1999; 99US-0123788.	
PR	25-MAR-1999; 99US-0126264.	
PR	29-MAR-1999; 99US-0126785.	
PR	01-APR-1999; 99US-0121462.	
PR	06-APR-1999; 99US-0120234.	
PR	08-APR-1999; 99US-0128714.	
PR	16-APR-1999; 99US-0128845.	
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PR	19-MAY-1999; 99US-0132941.	
PR	20-MAY-1999; 99US-0132124.	
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PR	24-MAY-1999; 99US-0133629.	
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PR	27-MAY-1999; 99US-0133392.	
PR	28-MAY-1999; 99US-013782.	
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PR	07-JUN-1999; 99US-0137724.	

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PR	19-JUL-1999;	99US-0144332.	PR	13-OCT-1999;	99US-0159293.
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PR	04-AUG-1999;	99US-0147204.	PR	29-OCT-1999;	99US-0162142.
PR	05-AUG-1999;	99US-0147192.			
PR	05-AUG-1999;	99US-0147260.			
PR	06-AUG-1999;	99US-0147303.			
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PR	06-AUG-1999;	99US-0147416.			

Query Match

Best Local Similarity

Score

DB

Length

21;

Matches

36.4%;

Pred. No.

3.5e-06;

Matches

16;

Conservative

11;

Mismatches

15;

Indices

2;

Gaps

1;

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PR	17-AUG-1999;	99US-0149175.	XX	XX
PR	18-AUG-1999;	99US-0149426.	AC	AAG29288;
PR	20-AUG-1999;	99US-0149723.	XX	XX
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PR	23-AUG-1999;	99US-0149930.	XX	XX
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PR	26-AUG-1999;	99US-0150884.	KW	
PR	27-AUG-1999;	99US-0151065.	KW	
PR	27-AUG-1999;	99US-0151066.	XX	
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PR	30-AUG-1999;	99US-0151303.	XX	
PR	31-AUG-1999;	99US-0151438.	PN	
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PR	10-SEP-1999;	99US-0152370.	XX	
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PR	28-OCT-1999;	99US-0161932.	PR	25-JUN-1999; 99US-0136021.
PR	28-OCT-1999;	99US-0161933.	PR	27-MAY-1999; 99US-0136392.
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 PR 28-OCT-1999; 990US-0161920.
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 PR 28-OCT-1999; 990US-0161993.
 PR 29-OCT-1999; 990US-0162142.

RESULT 16
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 AAC29287 standard; Protein; 356 AA.
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 AAG29287; AC
 XX
 DT 17-OCT-2000 (first entry)
 XX
 DE Arabidopsis thaliana protein fragment SEQ ID NO: 34820.

Query Match 38.2%; Score 112; DB 21; Length 348;
 Best Local Similarity 38.3%; Pred. No. 4; 3e-06;
 Matches 18; Conservative 9; Mismatches 18; Indels 2;
 Gaps 1;

QY 4 CTCSDFFDHSRVAALICGHTFHLOCLQWFFTAPSRTCPQCRIQV 50
 Db 233 csiclddidkgseakmpckfhircivpwlelhhss-cpvcryel 277

XX Protein identification; signal transduction pathway; metabolic pathway;
 KW hybridisation assay; genetic mapping; gene expression control; promoter;
 KW termination sequence.
 XX OS *Arabidopsis thaliana*.
 XX EP1033405-A2.
 XX PN 01-JUL-1999;
 XX PD 02-JUL-1999;
 XX 06-SEP-2000.
 XX PF 25-FEB-2000; 2000EP-0301439.
 XX PR 23-JUN-1999; 990US-0140353.
 XX PR 23-JUN-1999; 990US-0140354.
 XX PR 24-JUN-1999; 990US-0140695.
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18-OCT-2000 (first entry)

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Arabidopsis thaliana protein fragment SEQ ID NO: 55678.

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DE

Arabidopsis thaliana

protein identification; signal transduction pathway; metabolic pathway; hybridisation assay; genetic mapping; gene expression control; promoter; termination sequence.

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OS

Arabidopsis thaliana.

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PN

EP1033405-A2.

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	Best Local Similarity	40.4%; Pred. No. 4.8e-06;
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		10; Mismatches
		16; Indexs
		2; Gaps
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DT	18-OCT-2000 (first entry)	
DE	Arabidopsis thaliana protein fragment SEQ ID NO: 63757.	
XX		
KW	Protein identification; signal transduction pathway; metabolic pathway;	
KW	hybridisation assay; genetic mapping; gene expression control; promoter;	
KW	termination sequence.	
XX		
OS	Arabidopsis thaliana..	
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EP	EP1033405-A2.	
PN	XX	
PD	06-SEP-2000.	
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PR	04-JUN-1999; 99US-0137724.	
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PR	22-JUL-1999; 99US-0145091.	
PR	23-JUL-1999; 99US-0145218.	
PR	23-JUL-1999; 99US-0145224.	
PR	26-JUL-1999; 99US-0145276.	
PR	27-JUL-1999; 99US-0145913.	
PR	27-JUL-1999; 99US-0145919.	

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RESULT 22

ID AAG13717 standard; Protein; 325 AA. PR 17-OCT-2000 (first entry)

DE Arabidopsis thaliana protein fragment SEQ ID NO: 13315. PR XX

KW Protein identification; signal transduction pathway; metabolic pathway; hybridisation assay; genetic mapping; gene expression control; promoter; termination sequence.

XX OS Arabidopsis thaliana.

XX PN EP1033405-A2.

XX PD 06-SEP-2000.

XX PR 25-FEB-2000; 2000EP-0301439.

XX PR 25-FEB-1999; 990US-0121825.

PR 05-MAR-1999; 990US-0123180.

PR 09-MAR-1999; 990US-0123548.

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PR 21-APR-1999; 990US-0130449.

PR 23-APR-1999; 990US-0130510.

PR 23-APR-1999; 990US-0130891.

PR 28-APR-1999; 990US-0131449.

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PR 18-MAY-1999; 990US-0134268.

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PR 25-MAY-1999; 990US-0136021.

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Best Local	Similarity	40.4%	pred. No.	5.3e-06		
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AC	AC					
XX	XX					
DT	DT	18-OCT-2000 (first entry)				
DE	DE	Arabidopsis thaliana protein fragment SEQ ID NO: 63756.				
KW	KW	Protein identification; signal transduction pathway; metabolic pathway; hybridisation assay; genetic mapping; gene expression control; promoter; termination sequence.				
XX	XX					
OS	OS	Arabidopsis thaliana.				
XX	XX					
PN	EP1033405-A2.					
XX	XX					
PD	PD	06-SBP-2000.				
XX	XX					
PF	PF	25-FEB-2000; 2000EP-0301439.				
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PR	PR	25-FEB-1999; 9905-0121825.				
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PR	PR	21-JUN-1999; 9905-0140983.				
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PR	PR	23-JUN-1999; 9905-0140353.				
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PR	PR	28-JUN-1999; 9905-0142055.				
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PR	PR	01-JUL-1999; 9905-0142803.				
PR	PR	09-JUL-1999; 9905-0142820.				
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PR	PR	13-JUL-1999; 9905-0142977.				
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PR	PR	15-JUL-1999; 9905-0144005.				
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PR	PR	09-AUG-1999; 9905-0147416.				
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XX	KW	developmental disorder; cancer; AIDS; infection; cytostatic; anti-HIV; neuroprotective; antiinflammatory; gene therapy.
XX	OS	<i>Homo sapiens</i> .
PN	XX	WO200172777-A2.
PD	XX	04-OCT-2001.
PF	XX	13-MAR-2001; 2001WO-US08117.
XX	PR	13-MAR-2000; 2000US-018886.
XX	PA	(INCY-) INCYTE GENOMICS INC.
PA	XX	Hampton R, Rine JD.
DR	XX	WPI: 1997-165303/15.
DR	XX	N-PSDB; AAT85271.
PT	XX	3-Hydroxy-3-methyl-glutaryl CoA reductase degradation polypeptide(s) - useful as therapeutic agents to reduce hypercholesterolemia
PT	XX	Claim 4; Fig 8A; 132pp; English.
PS	XX	The present sequence represents the 3-hydroxy-3-methylglutaryl (HMG-CoA) reductase degradation (HRD) protein Hrd1p. The Hrd1 gene encodes the Hrd1p protein. Hrd proteins can be used to regulate the degradation of HMG-CoA reductase, e.g. as therapeutic agents to reduce hypercholesterolemia, and to elucidate how the cholesterol pathway modulates the degradation of HMG-CoA reductase. In addition, as a result of their ability to bind the proteasome complex, antibodies that specifically bind Hrd polypeptides can be used to isolate the proteasome complex. Further, they can be used in various assays to identify compounds that modify the degradation of HMG-CoA reductase independent of the beneficial LDL receptor control axis. The nucleic acid molecule can be used as molecular probes for the isolation of homologous nucleic acid molecules and for the detection of Hrd nucleic acid molecules in yeast.
CC	XX	Sequence 551 AA;
CC	XX	Query Match 36.5%; Score 107; DB 22; Length 350; Best Local Similarity 38.3%; Pred. No. 1.8e-05; Matches 18; Conservative 7; Mismatches 20; Indels 2; Gaps 1;
CC	XX	Qy 4 CTCGSDFFDHSRVAIHQHTFHQLQCLQWFETAPSRTCPQCRIQV 50
CC	XX	Db 298 cticisileegedvrlipcmhlfhqvcvqdwlt-nkkpicrvdi 342
CC	XX	Sequence 350 AA;
CC	XX	Query Match 36.5%; Score 107; DB 18; Length 551; Best Local Similarity 37.3%; Pred. No. 3e-05; Matches 22; Conservative 6; Mismatches 19; Indels 12; Gaps 1;
CC	XX	Qy 2 SLCTCSDFFDHS-----RVAIHQHTFHQLQCLQWFETAPSRTCPQCRIQV 50
CC	XX	Db 347 niciicmdeihsppqqtwnknknkpkripqchhlscknwner-sqtcplrv 403
RESULT	29	RESULT 29
ID	XX	AAG30657
AC	XX	AAG38657 standard; Protein; 316 AA.
XX	XX	18-OCT-2000 (first entry)
XX	XX	Arabidopsis thaliana protein fragment SEQ ID NO: 47723.
XX	XX	Protein identification; signal transduction pathway; metabolic pathway hybridisation assay; genetic mapping; gene expression control; promoter termination sequence.
XX	OS	<i>Arabidopsis thaliana</i> .
PN	XX	EP1033405-A2.
PD	XX	06-SEP-2000.
PF	XX	25-FEB-2000; 2000EP-0301439.
XX	PR	25-FEB-1999; 99US-0121825.
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PR	09-MAR-1999; 99US-0123548.	
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PR	25-MAR-1999; 99US-0162624.	
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PR	06-APR-1999; 99US-0120234.	
PF	XX	16-AUG-1996; 96WO-1B01161.
PR	XX	17-AUG-1995; 95US-0002381.
XX	XX	(REGC) UNIV CALIFORNIA.
PA	XX	Hampton R, Rine JD.
PT	XX	WPI: 1997-165303/15.
DR	XX	N-PSDB; AAT85271.
PT	XX	3-Hydroxy-3-methyl-glutaryl CoA reductase degradation polypeptide(s) - useful as therapeutic agents to reduce hypercholesterolemia
PT	XX	Claim 4; Fig 8A; 132pp; English.
PS	XX	The present sequence represents the 3-hydroxy-3-methylglutaryl (HMG-CoA) reductase degradation (HRD) protein Hrd1p. The Hrd1 gene encodes the Hrd1p protein. Hrd proteins can be used to regulate the degradation of HMG-CoA reductase, e.g. as therapeutic agents to reduce hypercholesterolemia, and to elucidate how the cholesterol pathway modulates the degradation of HMG-CoA reductase. In addition, as a result of their ability to bind the proteasome complex, antibodies that specifically bind Hrd polypeptides can be used to isolate the proteasome complex. Further, they can be used in various assays to identify compounds that modify the degradation of HMG-CoA reductase independent of the beneficial LDL receptor control axis. The nucleic acid molecule can be used as molecular probes for the isolation of Hrd nucleic acid molecules in yeast.
CC	XX	Sequence 551 AA;
CC	XX	Query Match 36.5%; Score 107; DB 22; Length 350; Best Local Similarity 38.3%; Pred. No. 1.8e-05; Matches 18; Conservative 7; Mismatches 20; Indels 2; Gaps 1;
CC	XX	Qy 4 CTCGSDFFDHSRVAIHQHTFHQLQCLQWFETAPSRTCPQCRIQV 50
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CC	XX	Sequence 350 AA;
CC	XX	Query Match 36.5%; Score 107; DB 18; Length 551; Best Local Similarity 37.3%; Pred. No. 3e-05; Matches 22; Conservative 6; Mismatches 19; Indels 12; Gaps 1;
CC	XX	Qy 2 SLCTCSDFFDHS-----RVAIHQHTFHQLQCLQWFETAPSRTCPQCRIQV 50
CC	XX	Db 347 niciicmdeihsppqqtwnknknkpkripqchhlscknwner-sqtcplrv 403
RESULT	29	RESULT 29
ID	XX	AAG30657
AC	XX	AAG38657 standard; Protein; 316 AA.
XX	XX	18-OCT-2000 (first entry)
XX	XX	Arabidopsis thaliana protein fragment SEQ ID NO: 47723.
XX	XX	Protein identification; signal transduction pathway; metabolic pathway hybridisation assay; genetic mapping; gene expression control; promoter termination sequence.
XX	OS	<i>Arabidopsis thaliana</i> .
PN	XX	EP1033405-A2.
PD	XX	06-SEP-2000.
PF	XX	25-FEB-2000; 2000EP-0301439.
XX	PR	25-FEB-1999; 99US-0121825.
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PR	23-MAR-1999; 99US-0127788.	
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			PR	28-APR-1999;	99US-0131449.
			PR	28-APR-1999;	99US-0131449.

Query	Match	Score	DB	Length	Best	Local	Similarity	Pred.	No.	Indels	Gaps	Mismatches
QY	4 CTICSDFFFHSRDSVAIKGHTFHQLQCLQWFETAPSRTCPQR	47	PR	21-OCT-1999;	990US-0145086.	PR	21-OCT-1999;	990US-0160741.				
Db	29B cicqdeyakdevgelrcgghfrhdcvngql--vrknsccpvc	339	PR	21-OCT-1999;	990US-0145192.	PR	21-OCT-1999;	990US-0160767.				
			PR	22-OCT-1999;	990US-0145218.	PR	21-OCT-1999;	990US-0160768.				
			PR	22-OCT-1999;	990US-0145085.	PR	21-OCT-1999;	990US-0160770.				
			PR	22-OCT-1999;	990US-0145089.	PR	21-OCT-1999;	990US-0160814.				
			PR	22-OCT-1999;	990US-0145192.	PR	21-OCT-1999;	990US-0160815.				
			PR	23-OCT-1999;	990US-0145145.	PR	22-OCT-1999;	990US-0160980.				
			PR	23-OCT-1999;	990US-0145224.	PR	22-OCT-1999;	990US-0160981.				
			PR	25-OCT-1999;	990US-0145276.	PR	22-OCT-1999;	990US-0160989.				
			PR	27-OCT-1999;	990US-0145913.	PR	25-OCT-1999;	990US-0161404.				
			PR	27-OCT-1999;	990US-0145918.	PR	25-OCT-1999;	990US-0161405.				
			PR	27-OCT-1999;	990US-0145919.	PR	26-OCT-1999;	990US-0161359.				
			PR	28-OCT-1999;	990US-0145951.	PR	26-OCT-1999;	990US-0161360.				
			PR	02-AUG-1999;	990US-0146386.	PR	26-OCT-1999;	990US-0161361.				
			PR	02-AUG-1999;	990US-0146389.	PR	28-OCT-1999;	990US-0161920.				
			PR	02-AUG-1999;	990US-0146389.	PR	28-OCT-1999;	990US-0161992.				
			PR	03-AUG-1999;	990US-0147038.	PR	28-OCT-1999;	990US-0161993.				
			PR	04-AUG-1999;	990US-0147201.	PR	29-OCT-1999;	990US-0162142.				
			PR	04-AUG-1999;	990US-0147302.							
			PR	05-AUG-1999;	990US-0147426.							
			PR	05-AUG-1999;	990US-0147500.							
			PR	06-AUG-1999;	990US-0147730.							
			PR	06-AUG-1999;	990US-0147731.							
			PR	09-AUG-1999;	990US-0147493.							
			PR	09-AUG-1999;	990US-0147935.							
			PR	11-AUG-1999;	990US-0148319.							
			PR	12-AUG-1999;	990US-0148341.							
			PR	13-AUG-1999;	990US-0148565.							
			PR	16-AUG-1999;	990US-0149368.							
			PR	17-AUG-1999;	990US-0149175.							
			PR	18-AUG-1999;	990US-0149426.							
			PR	20-AUG-1999;	990US-0149722.							
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			PR	20-AUG-1999;	990US-0149929.							
			PR	23-AUG-1999;	990US-0149902.							
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			PR	30-AUG-1999;	990US-0151080.							
			PR	31-AUG-1999;	990US-0151438.							
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			PR	07-SEP-1999;	990US-0152363.							
			PR	10-SEP-1999;	990US-0153070.							
			PR	13-SEP-1999;	990US-0153758.							
			PR	15-SEP-1999;	990US-0154018.							
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			PR	22-SEP-1999;	990US-0155139.							
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			PR	29-SEP-1999;	990US-0156596.							
			PR	04-OCT-1999;	990US-0157117.							
			PR	05-OCT-1999;	990US-0157753.							
			PR	06-OCT-1999;	990US-0157865.							
			PR	07-OCT-1999;	990US-0158029.							
			PR	08-OCT-1999;	990US-0158330.							
			PR	12-OCT-1999;	990US-0158369.							
			PR	13-OCT-1999;	990US-0158423.							
			PR	13-OCT-1999;	990US-0158294.							
			PR	13-OCT-1999;	990US-0158295.							
			PR	14-OCT-1999;	990US-0158331.							
			PR	14-OCT-1999;	990US-0158637.							
			PR	14-OCT-1999;	990US-0158638.							
			PR	18-OCT-1999;	990US-0159584.							

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PR	14-MAY-1999;	99US-0134221.	PR	27-JUL-1999;	99US-0145213.
PR	14-MAY-1999;	99US-0134370.	PR	27-JUL-1999;	99US-0145018.
PR	18-MAY-1999;	99US-0134768.	PR	27-JUL-1999;	99US-0145919.
PR	19-MAY-1999;	99US-0134941.	PR	28-JUL-1999;	99US-0145951.
PR	20-MAY-1999;	99US-0135124.	PR	02-AUG-1999;	99US-0146386.
PR	21-MAY-1999;	99US-0135333.	PR	02-AUG-1999;	99US-0145388.
PR	24-MAY-1999;	99US-0135629.	PR	02-AUG-1999;	99US-0145389.
PR	25-MAY-1999;	99US-0136021.	PR	03-AUG-1999;	99US-0145038.
PR	27-MAY-1999;	99US-0136392.	PR	04-AUG-1999;	99US-0147204.
PR	28-MAY-1999;	99US-0136782.	PR	04-AUG-1999;	99US-0147302.
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PR	03-JUN-1999;	99US-0137528.	PR	05-AUG-1999;	99US-0147260.
PR	04-JUN-1999;	99US-0137502.	PR	06-AUG-1999;	99US-0147303.
PR	06-JUN-1999;	99US-0137724.	PR	06-AUG-1999;	99US-0147416.
PR	08-JUN-1999;	99US-0138094.	PR	09-AUG-1999;	99US-0147493.
PR	10-JUN-1999;	99US-0138340.	PR	09-AUG-1999;	99US-0147935.
PR	10-JUN-1999;	99US-0138847.	PR	10-AUG-1999;	99US-0148171.
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PR	18-JUN-1999;	99US-0139458.	PR	20-AUG-1999;	99US-0149723.
PR	18-JUN-1999;	99US-0139459.	PR	20-AUG-1999;	99US-0149929.
PR	18-JUN-1999;	99US-0139460.	PR	23-AUG-1999;	99US-0149930.
PR	18-JUN-1999;	99US-0139461.	PR	23-AUG-1999;	99US-0150566.
PR	18-JUN-1999;	99US-0139462.	PR	25-AUG-1999;	99US-0150884.
PR	18-JUN-1999;	99US-0139463.	PR	26-AUG-1999;	99US-0151065.
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PR	18-JUN-1999;	99US-0139763.	PR	27-AUG-1999;	99US-0149902.
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PR	22-JUN-1999;	99US-0139899.	PR	31-AUG-1999;	99US-0151303.
PR	23-JUN-1999;	99US-0140353.	PR	01-SEP-1999;	99US-0151438.
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PR	24-JUN-1999;	99US-0140695.	PR	10-SEP-1999;	99US-0133070.
PR	28-JUN-1999;	99US-0140823.	PR	13-SEP-1999;	99US-0153758.
PR	29-JUN-1999;	99US-0140891.	PR	15-SEP-1999;	99US-0154018.
PR	30-JUN-1999;	99US-0141287.	PR	16-SEP-1999;	99US-0144039.
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PR	01-JUL-1999;	99US-0142154.	PR	22-SEP-1999;	99US-015139.
PR	02-JUL-1999;	99US-0142055.	PR	23-SEP-1999;	99US-0155486.
PR	05-JUL-1999;	99US-0142290.	PR	24-SEP-1999;	99US-0155659.
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PR	12-JUL-1999;	99US-014297.	PR	29-SEP-1999;	99US-0156596.
PR	13-JUL-1999;	99US-0143542.	PR	04-OCT-1999;	99US-0157117.
PR	14-JUL-1999;	99US-0142154.	PR	05-OCT-1999;	99US-0157753.
PR	15-JUL-1999;	99US-0144005.	PR	06-OCT-1999;	99US-0157865.
PR	16-JUL-1999;	99US-0144085.	PR	07-OCT-1999;	99US-0158029.
PR	19-JUL-1999;	99US-0144325.	PR	08-OCT-1999;	99US-0158232.
PR	19-JUL-1999;	99US-0144331.	PR	12-OCT-1999;	99US-0158369.
PR	20-JUL-1999;	99US-0144884.	PR	13-OCT-1999;	99US-0159293.
PR	21-JUL-1999;	99US-0144332.	PR	13-OCT-1999;	99US-0159294.
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 PR 28-OCT-1999; 990US-0161920.
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 XX Best local Similarity 36.4%; Pred No. 2.4e-05;
 XX Matches 16; Conservative 8; Mismatches 18; Indels 2;
 DT 17-OCT-2000 (first entry)
 XX Arabidopsis thaliana protein fragment SEQ ID NO: 5408.
 DE Protein identification; signal transduction pathway; metabolic pathway;
 KW hybridization assay; genetic mapping; gene expression control; promoter;
 KW termination sequence.
 XX Arabidopsis thaliana.
 OS Arabidopsis thaliana.
 XX EP1033405-A2.
 PN 06-SEP-2000.
 PD XX
 PF 25-FEB-2000; 2000SP-0301439.
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 PR 29-MAR-1999; 990US-0126785.
 PR 01-APR-1999; 990US-0127462.
 PR 05-APR-1999; 990US-0128234.
 PR 08-APR-1999; 990US-0128714.
 PR 16-APR-1999; 990US-0129845.
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 PR 30-APR-1999; 990US-0132048.
 PR 04-MAY-1999; 990US-0132484.
 PR 05-MAY-1999; 990US-0132485.
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 PR 11-MAY-1999; 990US-0132407.
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 PR 18-MAY-1999; 990US-0134768.
 PR 19-MAY-1999; 990US-0134941.
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 PR 07-JUN-1999; 990US-0137724.
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 PR 16-JUN-1999; 990US-0139452.
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PR	12-AUG-1999;	99US-0148831.
PR	13-AUG-1999;	99US-0148565.
PR	13-AUG-1999;	99US-0149368.
PR	16-AUG-1999;	99US-0149175.
PR	17-AUG-1999;	99US-014930.
PR	18-AUG-1999;	99US-0149426.
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PR	26-AUG-1999;	99US-0150884.
PR	27-AUG-1999;	99US-0151065.
PR	27-AUG-1999;	99US-0151066.
PR	30-AUG-1999;	99US-0151080.
PR	31-AUG-1999;	99US-0151303.
PR	01-SEP-1999;	99US-0151930.
PR	07-SEP-1999;	99US-0152363.
PR	10-SEP-1999;	99US-0153070.
PR	13-SEP-1999;	99US-0153758.
PR	15-SEP-1999;	99US-0154018.
PR	16-SEP-1999;	99US-0154039.
PR	22-SEP-1999;	99US-0155139.
PR	23-SEP-1999;	99US-0155486.
PR	24-SEP-1999;	99US-0155659.
PR	28-SEP-1999;	99US-0156458.
PR	29-SEP-1999;	99US-0156596.
PR	04-OCT-1999;	99US-0157117.
PR	05-OCT-1999;	99US-0157753.
PR	06-OCT-1999;	99US-0157865.
PR	07-OCT-1999;	99US-0158029.
PR	08-OCT-1999;	99US-0158232.
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PR	21-OCT-1999;	99US-0160767.
PR	22-OCT-1999;	99US-0160981.
PR	22-OCT-1999;	99US-0160989.
PR	25-OCT-1999;	99US-0161404.
PR	25-OCT-1999;	99US-0161405.
PR	26-OCT-1999;	99US-0161406.
PR	26-OCT-1999;	99US-0161359.
PR	26-OCT-1999;	99US-0161360.
PR	01-TUN-1999;	99US-0162142.
PR	26-OCT-1999;	99US-016361.
PR	28-OCT-1999;	99US-0161920.
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PR	29-OCT-1999;	99US-0162142.
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Indels	2;	Gaps 1;
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AC	AAG37252;	
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DT	18-OCT-2000 (first entry)	
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DE	Arabidopsis thaliana protein fragment	SEQ ID NO: 45775.
XX	XX	
KW	Protein identification; signal transduction pathway; metabolic pathway; hybridisation assay; genetic mapping; gene expression control; promoter; termination sequence.	
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OS	Arabidopsis thaliana.	
XX	XX	
PN	EP1033405-A2.	
XX	XX	
PD	06-SEP-2000.	
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PF	25-FEB-2000; 2000EP-0301439.	
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PR	05-MAR-1999; 99US-0123180.	
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DT 18-OCT-2000 (first entry)
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 KW PR hybridization assay; genetic mapping; gene expression control; promoter;
 KW PR termination sequence.
 XX OS Arabidopsis thaliana.
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PR 27-AUG-1999; 99US-0151066. XX
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 PR 30-AUG-1999; 99US-01511303. PN
 PR XX EP1033405-A2.
 PR 01-SEP-1999; 99US-0151930. XX
 PR 07-SEP-1999; 99US-0152363. PD
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 PR 13-SEP-1999; 99US-0153758. XX
 PR 15-SEP-1999; 99US-0154018. PP
 PR 16-SEP-1999; 99US-0154039. 25-FEB-2000; 2000EP-0301439.
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 PR 29-OCT-1999; 99US-0162142. PR

 Query Match 36.2%; Score 106; DB 21; Length 380;
 Best Local Similarity 36.4%; Pred. No. 2.7e-05; Indels 1;
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 RESULT 37
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 DT 17-OCT-2000 (first entry)
 XX
 DE Arabidopsis thaliana protein fragment SEQ ID NO: 5406.
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 KW Protein identification; signal transduction pathway; metabolic pathway;
 KW hybridisation assay; genetic mapping; gene expression control; promoter;
 KW termination sequence.

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PR	01-JUL-1999;	99US-0141842.
PR	02-JUL-1999;	99US-0142055.
PR	06-JUL-1999;	99US-0142290.
PR	08-JUL-1999;	99US-0142003.
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PR	13-JUL-1999;	99US-0142977.
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PR	21-JUL-1999;	99US-0145088.
PR	22-JUL-1999;	99US-0145224.
PR	22-JUL-1999;	99US-0145276.
PR	22-JUL-1999;	99US-0145913.
PR	22-JUL-1999;	99US-0145089.
PR	23-JUL-1999;	99US-0145914.
PR	23-JUL-1999;	99US-0145218.
PR	26-JUL-1999;	99US-0145911.
PR	27-JUL-1999;	99US-0145912.
PR	27-JUL-1999;	99US-0145918.
PR	27-JUL-1999;	99US-0145919.
PR	28-JUL-1999;	99US-0145931.
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PR	02-AUG-1999;	99US-0146388.
PR	03-AUG-1999;	99US-0146389.
PR	04-AUG-1999;	99US-0147204.
PR	04-AUG-1999;	99US-0147302.
PR	05-AUG-1999;	99US-0147192.
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PR	06-AUG-1999;	99US-0147303.
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PR	11-AUG-1999;	99US-0148319.
PR	12-AUG-1999;	99US-0148341.
PR	13-AUG-1999;	99US-0148565.
PR	13-AUG-1999;	99US-0148684.
PR	16-AUG-1999;	99US-0149368.
PR	17-AUG-1999;	99US-0149175.
PR	18-AUG-1999;	99US-0149426.
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PR	07-SEP-1999;	99US-015363.
PR	10-SEP-1999;	99US-0153070.

PR 19-JUL-1999; 99US-0144332. PR 13-OCT-1999; 99US-0159294. PR 19-JUL-1999; 99US-0144333. PR 13-OCT-1999; 99US-0159295. PR 19-JUL-1999; 99US-0144334. PR 14-OCT-1999; 99US-0159329. PR 20-JUL-1999; 99US-0144352. PR 14-OCT-1999; 99US-0159330. PR 20-JUL-1999; 99US-0144632. PR 14-OCT-1999; 99US-0159637. PR 20-JUL-1999; 99US-0144884. PR 14-OCT-1999; 99US-0159638. PR 21-JUL-1999; 99US-0144814. PR 18-OCT-1999; 99US-0159584. PR 21-JUL-1999; 99US-0145086. PR 21-OCT-1999; 99US-0160767. PR 21-JUL-1999; 99US-0145088. PR 21-OCT-1999; 99US-0160768. PR 22-JUL-1999; 99US-0145087. PR 21-OCT-1999; 99US-0160770. PR 22-JUL-1999; 99US-0145089. PR 21-OCT-1999; 99US-0160814. PR 22-JUL-1999; 99US-0145192. PR 21-OCT-1999; 99US-0160815. PR 23-JUL-1999; 99US-0145145. PR 22-OCT-1999; 99US-0160981. PR 23-JUL-1999; 99US-0145211. PR 22-OCT-1999; 99US-0160980. PR 23-JUL-1999; 99US-0145224. PR 22-OCT-1999; 99US-0160989. PR 26-JUL-1999; 99US-0145276. PR 25-OCT-1999; 99US-0161404. PR 27-JUL-1999; 99US-0145913. PR 25-OCT-1999; 99US-0161405. PR 27-JUL-1999; 99US-0145918. PR 25-OCT-1999; 99US-0161406. PR 28-JUL-1999; 99US-0145951. PR 26-OCT-1999; 99US-0161359. PR 02-AUG-1999; 99US-0146386. PR 26-OCT-1999; 99US-0161360. PR 02-AUG-1999; 99US-0146388. PR 28-OCT-1999; 99US-0161920. PR 02-AUG-1999; 99US-0146389. PR 28-OCT-1999; 99US-0161992. PR 03-AUG-1999; 99US-0147038. PR 28-OCT-1999; 99US-0161993. PR 04-AUG-1999; 99US-0147204. PR 28-OCT-1999; 99US-0161993. PR 05-AUG-1999; 99US-0147302. PR 29-OCT-1999; 99US-0162142.

Query Match 35.8%; Score 105; DB 21; Length 83; Best Local Similarity 41.9%; Pred. No. 7.1e-06; Matches 18; Conservative 6; Mismatches 17; Indels 2; Gaps 1; Oy 4 CTICSDFFEHRSRDVAINGTGHTEHFLQCLIQWFETAPSRCPCDC 46 Db 33 csclctfsdpsavtsckhefhlcqclewcqrr--ssqpmc 73

RESULT 40

AAG32708 ID AAG32708 standard; Protein; 93 AA. XX

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PR 18-AUG-1999; 99US-0149426. XX

PR 20-AUG-1999; 99US-0149722. DT 17-OCT-2000 (first entry)

PR 20-AUG-1999; 99US-0149723. XX

PR 23-AUG-1999; 99US-0149902. DE zea mays protein fragment SEQ ID NO: 39511. XX

PR 25-AUG-1999; 99US-0149930. KW Protein identification; signal transduction pathway; metabolic pathway; hybridisation assay; genetic mapping; gene expression control; promoter; termination sequence; corn. XX

PR 26-AUG-1999; 99US-0150884. OS zea mays subsp. mays. XX

PR 27-AUG-1999; 99US-0151065. PN EP1033405-A2. XX

PR 27-AUG-1999; 99US-0151080. PD 06-SEP-2000. XX

PR 30-AUG-1999; 99US-0151303. PF 25-FEB-2000; 2000EP-0301439. XX

PR 31-AUG-1999; 99US-0151438. PR 25-FEB-1999; 99US-0121825. XX

PR 01-SEP-1999; 99US-0151930. PR 05-MAR-1999; 99US-0123180. PR 09-MAR-1999; 99US-012348. PR 23-MAR-1999; 99US-0123788. PR 25-MAR-1999; 99US-0126264. PR 29-MAR-1999; 99US-0128785. PR 01-APR-1999; 99US-0122462. PR 06-APR-1999; 99US-0128234. PR 08-APR-1999; 99US-0128714. PR 16-APR-1999; 99US-0122845. PR 19-APR-1999; 99US-0120077. PR 21-APR-1999; 99US-0130449. PR 23-APR-1999; 99US-0130510. PR 23-APR-1999; 99US-0130891.

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Query Match 35.8%; Score 105; DB 21; Length 83; Best Local Similarity 41.9%; Pred. No. 7.1e-06; Matches 18; Conservative 6; Mismatches 17; Indels 2; Gaps 1; Oy 4 CTICSDFFEHRSRDVAINGTGHTEHFLQCLIQWFETAPSRCPCDC 46 Db 33 csclctfsdpsavtsckhefhlcqclewcqrr--ssqpmc 73

RESULT 40

AAG32708 ID AAG32708 standard; Protein; 93 AA. XX

PR 17-AUG-1999; 99US-0149175. AC AAG32708; XX

PR 18-AUG-1999; 99US-0149426. XX

PR 20-AUG-1999; 99US-0149722. DT 17-OCT-2000 (first entry)

PR 20-AUG-1999; 99US-0149723. XX

PR 23-AUG-1999; 99US-0149902. DE zea mays protein fragment SEQ ID NO: 39511. XX

PR 25-AUG-1999; 99US-0149930. KW Protein identification; signal transduction pathway; metabolic pathway; hybridisation assay; genetic mapping; gene expression control; promoter; termination sequence; corn. XX

PR 26-AUG-1999; 99US-0150884. OS zea mays subsp. mays. XX

PR 27-AUG-1999; 99US-0151065. PN EP1033405-A2. XX

PR 27-AUG-1999; 99US-0151080. PD 06-SEP-2000. XX

PR 30-AUG-1999; 99US-0151303. PF 25-FEB-2000; 2000EP-0301439. XX

PR 31-AUG-1999; 99US-0151438. PR 25-FEB-1999; 99US-0121825. XX

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PR	14-MAY-1999;	99US-0134370.	PR	27-JUL-1999;	99US-0145918.
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PR	24-MAY-1999;	99US-013629.	PR	02-AUG-1999;	99US-0146388.
PR	25-MAY-1999;	99US-0136021.	PR	03-AUG-1999;	99US-0146389.
PR	27-MAY-1999;	99US-013639.	PR	03-AUG-1999;	99US-0147038.
PR	28-MAY-1999;	99US-0136782.	PR	04-AUG-1999;	99US-0147204.
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PR	03-JUN-1999;	99US-013752.	PR	05-AUG-1999;	99US-0147260.
PR	04-JUN-1999;	99US-0137502.	PR	05-AUG-1999;	99US-0147260.
PR	07-JUN-1999;	99US-0137724.	PR	06-AUG-1999;	99US-0147303.
PR	08-JUN-1999;	99US-0138094.	PR	06-AUG-1999;	99US-0147416.
PR	10-JUN-1999;	99US-0138540.	PR	09-AUG-1999;	99US-0147493.
PR	10-JUN-1999;	99US-0138847.	PR	09-AUG-1999;	99US-0147935.
PR	14-JUN-1999;	99US-0139119.	PR	10-AUG-1999;	99US-0148171.
PR	16-JUN-1999;	99US-0139452.	PR	11-AUG-1999;	99US-0148319.
PR	17-JUN-1999;	99US-0139453.	PR	12-AUG-1999;	99US-0148341.
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Search completed: September 4, 2002, 16:09:16
Job time: 8140 sec

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